

FIG. 1

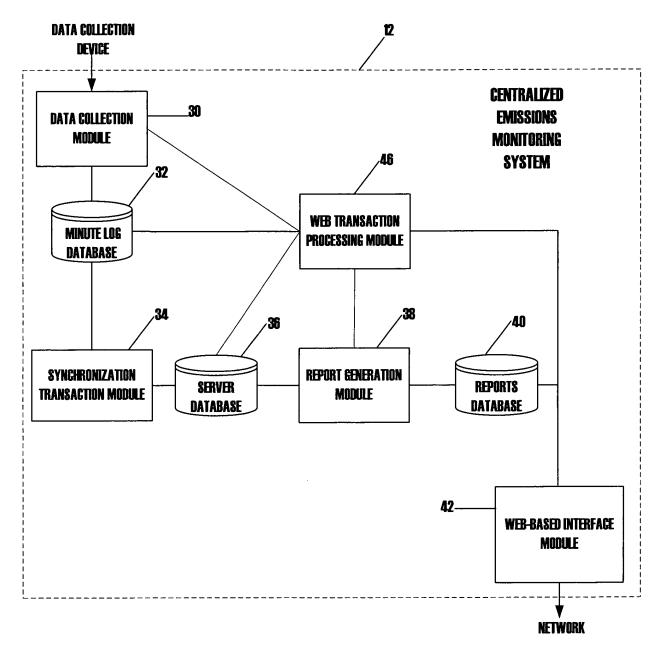
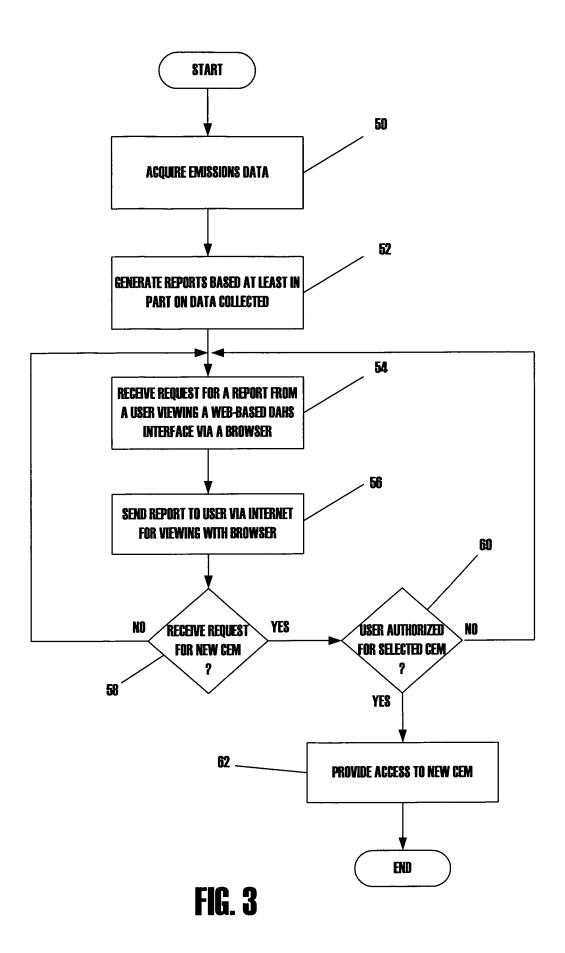
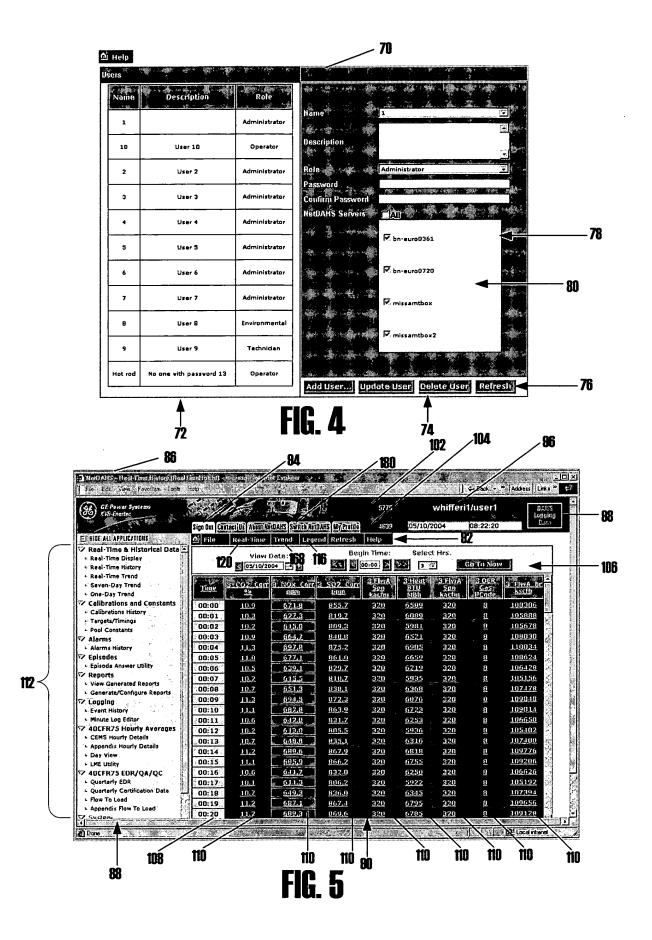


FIG. 2





	State Field Value	Text Color	Priority
	Ok Data	Green	1
	HWV Fail	*HRed	4
	Data Error	Maroon	5
	Task Error	*HRed	8
	Discrid Diata	Orange	6
	Proc Off	Green	2
	Comm Fail	*HRed	3
	In Calib	Blue	9
	Zero Fail	*HRed	8
	Mid Fail	*HRed	8
	Span Fail	≑HRed	8
	Calib Fail	*HRed	8
	Z2010 (XEI) + + + + +	akidican	9
	MICEI * * * * *	Agus * * * * * *	9
	Span Cal	Fuschia	9
	Multi Cal Bits Set	Fuschia	9
	Old Data	Tjeal, 🍦 , 🗼 🗼	11.3 4
	Untouched	LtGray	12
	000 Part 75	*HRed	7
	000 Part 60	*HRed	7
-	Edited Data	*HWbite	14
Ì	Recovered		13 🕶 🗸
	Out of Control	*HRed	7
	Strangecal	*HVVbite	10

^{*} High Intensity

FIG. 6

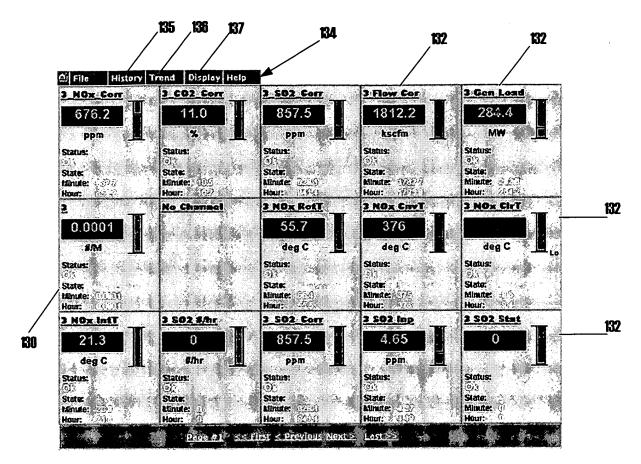


FIG. 7

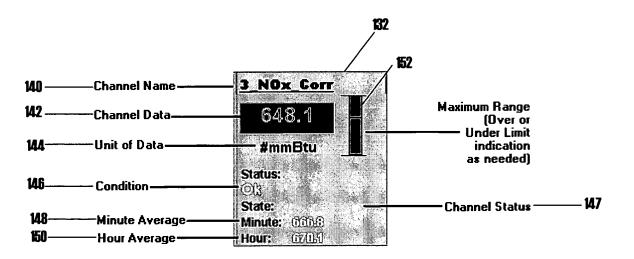


FIG. 8

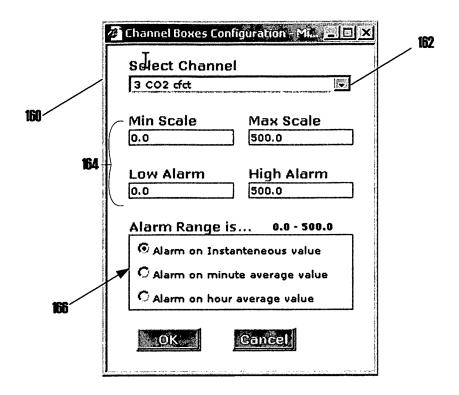


FIG. 9

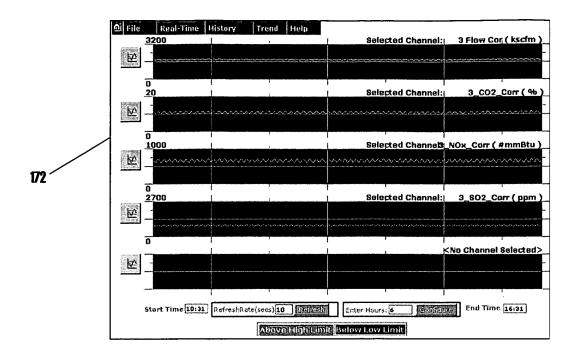


FIG. 10

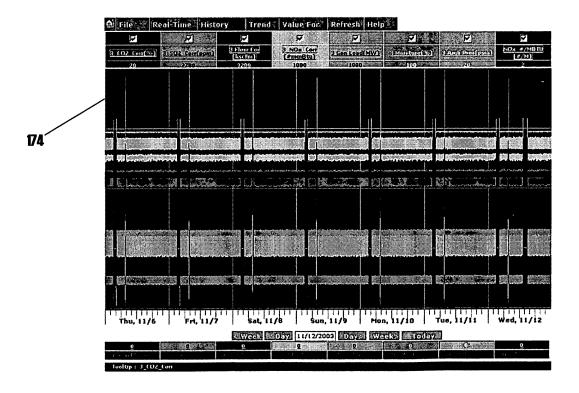
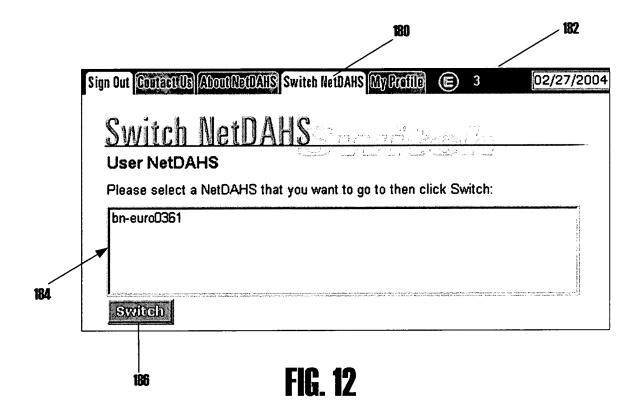


FIG. 11



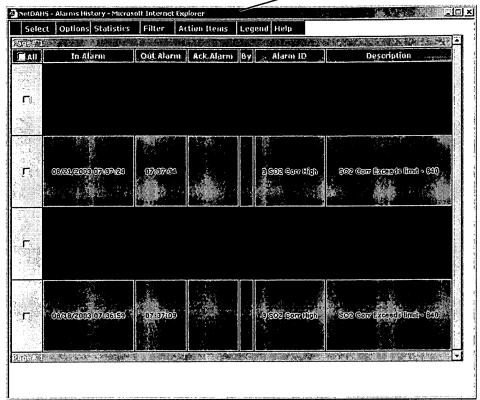


FIG. 13 182

Se	lect	Filter	Statistics	Answer Episodes	Re-generate Epi:	sodes Le	gend Hel	p		
				[47] [8] [49] [40		77.7				
ΔΙ	14	Episud	e Name	Start Time	End Time	Types	Real Value	Volue	Status	Ву
7		Pa Lox	Temp	02/25/2003 02:33:00	02/25/2003 02:33:00	Under Umft	1752.5	1753	UnAns	
		CCDC	pacity	02/25/2003 01:30:00	02/25/2003 01:35:00	Over Limit	14.8	14.7	UnAns	DAHS
2		CCDE	pacity	02/25/2003 01:00:00	02/25/2003 01:05:00	Over. Limit	14.8	14.7	UnAns	DAHS
		Pa Lox	Temp	02/25/2003 00:47:00	02/25/2003 00:47:00	Under Limite	1752.3	1753	UnAns	DAHS
i X		CCDC G	ipacity	02/24/2003 23:54:00	02/24/2003 23:59:00	Over Umit	14.8	14.7	UnAns	DAHS
		CCDC	pacity	02/24/2003 23:24:00	02/24/2003 23:29:00	Over: Limit	14.8	14.7	UnAns	DAH5
		Pa Low	Temp	02/24/2003 21:30:00	02/24/2003 21:30:00	Under Umiti	1752.3	1753	UnAns	DAHS
j	Ì	ccoc	pacity	02/24/2003 20:42:00	02/24/2003 20:47:00	Over Limit	14.8	14.7	UnAns	DAHS
		CCDC C	Ipacity	02/24/2003 20:12:00	02/24/2003 20:17:00	Over* Umit	14.8	14.7	UnAns	DAHS
	# T	CCDC 0	pacity	02/24/2003 19:06:00	02/24/2003 19:11:00	Over's Limit	14.8	14.7	UnAns	DAHS
		ccóc o	pacity	02/24/2003 17:00:00	02/24/2003 17:05:00	Over Limit	14.8	14.7	UnAns	DAH5
		Pa Low	Temp	02/24/2003 16:27:00	02/24/2003 16:27:00	Owgas.	1752.5	1753	UnAns	DAHS
		CCDC	pacity	02/24/2003 15:24:00	02/24/2003 15:29:00	Over Limit	14.8	14.7	UnAns	DAHS
		ccoc c	pacity	02/24/2003 13:18:00	02/24/2003 13:23:00	Over Limit	14.8	14.7	UnAns	DAHS
		CCDC 0	pacity	02/24/2003 11:42:00	02/24/2003 11:47:00	Over Limit	14.8	14.7	UnAns	DAHS
		ccoc c	pacity	02/24/2003 11:12:00	02/24/2003 11:17:00	Over Limit	14.8	14.7	UnAns	DAHS
		ccoc	pacity	02/24/2009 10:36:00	02/24/2003 10:41:00	Over Limit	14.8	14.7	UnAns	DAHS
***	3	CCDC	lpacity	02/24/2003 10:06:00	02/24/2003 10:11:00	Over Umit	14.8	14.7	UnAns	DAHS

FIG. 14

OGD6	98 [2][3][4][5][6][7][8][9	1 <u>[10] []</u>		V-1	è	. 2	
	i Episodo Nama	Store Tilling	Good Vibrace	DODG	Cool Cool		20000	Dø -
	Pa Low Temp	03/14/2003 13:58:00	-03/14/2003 13:58:00	Under Limit	1752.3	1753	Ans	2
J	CCDC Opacity	03/14/2003 13:24:00	03/14/2003 13:29:00	Over Limit	14.8	14.7	Ans	. 1
1	20 Minute SD2_Carrected Over: Limit	03/14/2003 13:20:00	09/14/2003 13:39:00	Over Limit	863.5	862.5	Ans	MCDADET
<u>.</u>	Pa Low Temp	03/14/2003 13:19:00	03/14/2003 13:23:00	4.40	0	0	Ans	2
7	CCDC Opacity	03/14/2003 13:18:00	03/14/2003 13:23:00		0	0	Ans	2
	edtest Downtime	03/14/2003 13:15:00	09/14/2003 13:29:00		0	0	Ans	, 5
]	Pa Low Temp	03/14/2003 13:00:00	03/14/2003 13:00:00	Under Umit	1752.5	1753	Ans	2
J	CCDC Opacity	03/14/2003 12:42:00	03/14/2003 12:47:00	Over Limit	14.8	14.7	Ans	2
<u>.</u>	20 Minute 502_Corrected Over Limit	03/14/2003 12:40:00	03/14/2003 12:59:00	Over Limit	862.7	862.5	Ans	MCDADET
1	Pa Low Temp	<u>03/14/2003</u> 11:12:00	09/14/2009 11:12:00	Under Limit	1751.8	1753	Ans	- 2
1	20 Minute 502_Corrected Over Limit	03/14/2003 10:20:00	09/14/2003 10:39:00	Over Limit	862.8	862.5	Ans	2
<u></u>	20 Minute SO2_Corrected Over Limit	03/14/2003 10:00:00	03/14/2003 10:19:00	Over Limit	863.6	862.5	Ans	2
	Pa Low Temp	03/14/2003 08:52:00	03/14/2003 08:52:00	Under Limit	1751.0	1753	Ans	2
	20 Minute SO2_Corrected Over Limit	03/14/2003 08:00:00	03/14/2003 08:19:00	Over Limit	862.7	862.5	Ans	z
	CCDC Opacity	03/14/2003 07:42:00	09/14/2009 07:47:00	Over Limit	14.8	14.7	Ans	2
	Pa Low Temp	03/14/2003 07:35:00	03/14/2003 07:36:00	Invalid	0	0	Ans	2

FIG. 15

Answer all with this Reason 16: Pri. Analyzer Malfunction 15: Pri. Analyzer Malfunction Using this Corrective Action Recalibrated Analyzer(s)	Opisody/Nume	Spent frame	COO Than	Date	(Kalina (Rogi	GIIII AND G	3000 00	(COOL)	Picalitical Tibus
16: Pri. Analyzer Malfunction Using this Corrective Action Recalibrated Analyzer(s)	SO2 Corrected Ove	r 03/14/2003 13:20:00	03/14/2003 13:39:00	Over Limit				16	10/28/200 06:57:00
16: Pri. Analyzer Malfunction Using this Corrective Action Recalibrated Analyzer(s)						······································			
Using this Corrective Action Recalibrated Analyzer(s)	kamanan all milik	this Reason	16: Pri. Analy	zer Mal	function				ON THE REAL PROPERTY AND THE PARTY AND THE P
A A A A A A A A A A A A A A A A A A A	16: Pri. Analyzer M	alfunction		1.1		egal ed			
	16: Pri. Analyzer M	alfunction			**************************************	et ales	2		
	16: Pri. Analyzer M	ective Action							
	16: Pri. Analyzar M Using this Corre	ective Action							

FIG. 16

												2	210	
File Select Ch	nannel/Time R ZUJ		Change		tion colu		tatistics	Help					. 12.0	
Start Time	Channel	Type	Reg. Check	Warn Check	 Reading Data	ZERO Target	Error G	 Reading Data	SPAN Target	Error	 Reading Data	MID Target	Error	Per Spe
09/03/2003 06/36	3 502 Corr	DAILY	6200		0	0	0%	2445.2	2497	-1.92%	o.	0		3.5
09/03/2003 06:36	3 NOx Corr	DAILY	1200		0	0	. 0%	B66	883	-1.7%	0	0	(sept 73)	2.5
09/03/2003 06:36	3 CO2 Corr	DAILY	D70F]	0	0	D%	17.5	17.9	-2%	0	D		2.5
09/03/2003 06:30	3 On Inc	DAILY	D.96	6000	0	0	0%	44.5	44.5	0%	٥	D	37	2
09/03/2003 06:30	3 FlyB Inp	DAILY			-2644	0	-82.62%	702.5	320	11.95%	-999.9	0	Sir .	3
09/03/2003 06:30	3 FlvA Inp	DAILY			703	320	11.97%	-2648	0	-82.75%	-999.9	0	34	_ 3
09/02/2003 06:37	2 502 Com	DAILY	EXE0]	a	0	0%	2641.5	2497	5.35%	0	0	(9 39)	3.5
09/02/2003 06:37	3 NOx Con	DAILY	60333		0	0	0%	930.6	683	4.76%	0	0	9030	2.5
09/02/2003 06:37	3 CO2 Com	DAILY			0	0	0%	19	17.9	5.5%	0	0	0.00	2.5
09/02/2003 06:30	3 Co Inc	DAILY	CABS	67.90	0	0	0%	44.5	44.5	0%	0	0	2000 c	2
09/02/2003 06:30	3 Flet Inp	DAILY			2643.9	. 0	-02.62%	702.4	320	11.95%	-999.9	0		3
09/02/2003 06:30	3 FlvA Inp	DAILY			702.9	320	11.97%	2647.8	0	-B2.74%	-999.9	0		3
09/01/2003 06:36	3 802 Corr	DAILY	(N.St)		0	0	0%	2465.9	2497	-1.15%	0	D	(e.:.\$\$e)	3.5
09/01/2003 06:36	3 NOx Con	DAILY	6290		0	0	0%	873.1	983	-0.99%	0	0	\$400	2.5
09/01/2003 06:36	3 CO2 Corr	DAILY	Pass		0	0	0%	17.7	17.9	-1%	D	0	2	2.5
09/01/2003 06:30	3 On Inc	DAILY	BXSO	6035	0	0	0%	44.5	44.5	. 0%	0	0	*	2

FIG. 17

THE RESIDENCE OF THE PARTY OF T	V	The second section is a second section of the second section of the second section is a second section of the second section of the second section sec	
	alibration (anti-		en e
* * * * * * * * * * * * * * * * * * *	annel: 3_cos_c	Management of the Control of the Con	
Stort	Time : 05/06/20		
End	Time: 05/06/20		#) — All State of the State of
Calset N	200000000000000000000000000000000000000		SSIMIL
Warn R	ange : 20		
Fig. 1	ange : 20	Separation of the Property of	TOTAGE PLAN
AutoCa	1100: 0		SSFAIL
Chieck	Time : 0		
Status	Hold: 0		
Pert.	pac, 2.5		
APS	Flag: False		and the second s
0001	iours : 0	Numeral	ar: 10000
faik ii ii	PLC : GE 90/70	Denominal	participation and an experimental and a second
A-to-D'R	ange := <mark>748</mark>	and the second s	ivr: :819
		% (sometime set for CO2 & O	the set gramman and the set of th
This is	a law emitter N	ox or 502 channel (AltPerfSpe	c):[0
ctallet Gas Steps	r	Nover	
	700 C.0	Specific Completes	
tgading (ppm)	0 0	16.4	
Target (ppm)	0 0	0/3 Older	
WarnChk Limit	0.8	0.9	
WarnChk Drift	0 0	eloso coro	
RegChk Error	0%		
Step	1 2	3:	
Gases	0000 0000	0000	
Settle Time Noise	0 0	0	
ivoisei	· · · · · · · · · · · · · · · · · · ·		
Performance/Spe	eification 🔊		
		by EPA. Can be a percentage (of	the Regulatory Range for
aily cals or the Tar	rget for CGA cals	or be a Units of Measure value (such as 15 ppm or 0.5 %
O2) Note: Regard	lless of PerfSpec	he minimum errors are 5 ppm or	U.5 %CO2/O2.
Warning Check	<u> </u>		
	rv nass/fall dete	mination and is separatly configu	rable from Performance
pecification. It is b	ased on the "Wa	ning Range". When the drift exce	eds the "WarnChk drift"
uit anove Aon Mili	der a tamen contr	aradon for dis appropriate car ge	id 2 %
Regulatory Check			
		ning Performance Specification (note that Daily rals are or
ut of control until 1	you have exceede	l 2*PerfSpec) and "Span" (whic	h we call the "Regulatory
ange" since the te	rm "Span" was a	eady in use to describe one of th	e drift checks).
Warning Range			
		ange. Example: You may have a	1000 nom NOx analyzer
ith a 4-20 mA sign	nal. The warning	ange would be 1000.	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<u></u>		
Regulatory Range			
Regulatory Ronge	pan" and is used	vith PerfSpec to perform the Reg pm then the Regulatory Range w	ulatory Check. If the abov

			232	_ 240		234
	<u>ி</u> Generate	and/or	Configure Reports Quarterly E	DR Refresh	Help	
	30 Reparts	Clear	Selection & 🚜 🗼 🏄 Ge	nerated Rep	orts	
	ACTIONS		<u>File Name</u>	Type	<u>Size</u>	Last Modified
	View		oocaen.txt	txt	7902	11/06/2003 16:05:38
		П	last_status.txt	txt	21912	11/05/2003 11:15:32
	Copy	П	D03287s02.034	034	16071	11/05/2003 11:15:30
	Rename		last edr.txt	txt	16071	11/05/2003 11:15:28
	Delete		003287:01.034	034	16071	11/05/2003 11:15:24
	Download		unitilinearity.txt	txt	45182	10/28/2003 08:18:02
	in papus eliek XXI oo Opin		EIA767 StkTemp.rtf	rtf	2552	10/27/2003 11:08:30
			EIA767 StkTamp.csv	csv	1961	10/27/2003 11:07:42
	Generate/		unit1linearity.rtf	rtf	49333	10/27/2003 09:10:12
	Configure Reports	П	MP003287s02.403	403	11494	10/26/2003 14:15:24
	io properly	П	MP003287:01.403	403	11494	10/26/2003 14:15:22
230	ilogro		1JCFolk .rtf	rtf	1638	10/25/2003 11:50:50
	(1905) artiko		1hrBAVG.rtf	rtf	41461	10/25/2003 11:48:06
	parinteleih. Spegam 10 Mikateta		U1FLWL1.txt	txt	145609	10/25/2003 11:46:26
	nne ville en Dand van Gar		U1FLWCRATA.txt	txt	5001375	10/25/2003 11:13:18
	Godingary	Г	TitleVUsedOilSO2 Hrly,rtf	rtf	33211	10/25/2003 11:11:32

FIG. 19

	🕮 Canfigure Report 📙	Show All View Gene	erated Reports He	ip	
	Start Date:	End Date:	Year: 200	3 5 Today	Yesterday Last Mon
	11/06/2003 00:00	11/06/2003 16:12		ndo 🤄 👱 Mau:	Ist Qbr
236 <	Day 12	Za Day 🖎	Apr j N	ay Jun	2nd Qtr Mon-To-Date
] [Hour Co	Hour St	Jul MA	uq 💹 Sep 📗	3rd Otr: To Date
		1	Øct N	ov Dec	4th Qtr Yr-To-Date
	Clear Selection			Generate Report	t.] Delete
	All Configured Re	ports Report		Report Name	Lost Modified
	1LinearityRepor	tGen Operation	Average Values	unit1linearity	10/25/2003 10:00:23 AM
	C 2LinearityRepor	t <u>Gen</u> Operation	Average Values	Unit2Linearity	10/25/2003 B:53:00 AM
	☐ 3 hour block ave	rages Operation	Average Values	3hourblock_qyy	10/25/2003 B:53:00 AM
	Unit 2 Hour Ave	rage Operation	Average Values	U2BHR	10/25/2003 B:53:00 AM
	Unit 2 ICEal	k Oneration	Average Values	2 ICEnlk	10/25/2003 R:53:00 AM

FIG. 20

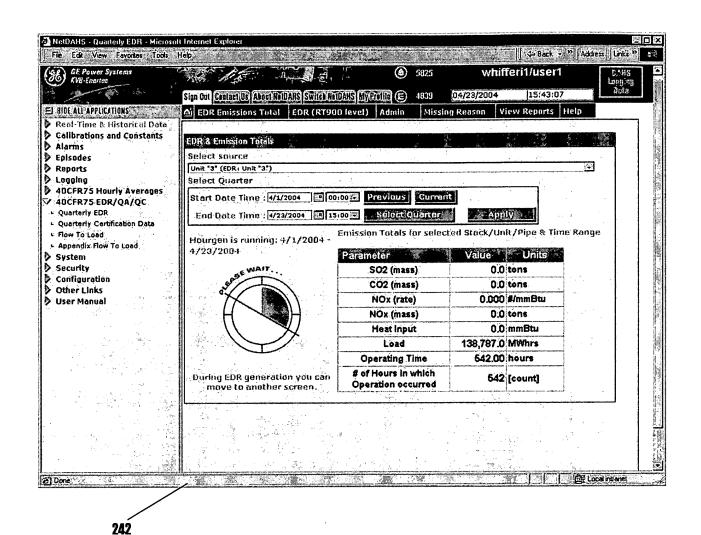
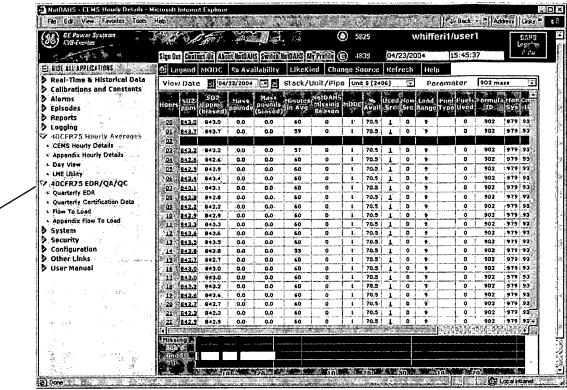


FIG. 21



250

FIG. 22

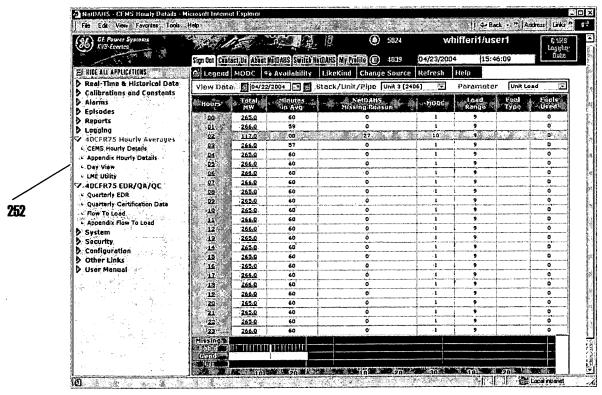


FIG. 23